

RUSTAMOV, A. K. and DEMENT'YEV, G. P.

"In Memory of Mikhail Konstantinovich Laptev"
Izv. AN T_{urkmen}. SSR, No 5, 91-93, 1953

The article is devoted to the memory of M. K. Laptev (1885-1938),
the Soviet zoologist and zoogeographer and former chief of the zoological
sector of the Turkmenian affiliate of the Academy of Sciences USSR.
(RZhGeol, No 3, 1954)

SO: W-31187, 8 Mar 55

DEMENT'YEV, G.P. [author]; RUSTAMOV, A.K. [reviewer].

"Birds of Turkmenistan." G.P.Dement'yev. Reviewed by A.K.Rustamov. Zool.
zhur. 32 no.5:1035-1037 S-0 '53. (MLRA 6:10)
(Turkmenistan--Birds) (Birds--Turkmenistan) (Dement'yev, G.P.)

RUSTAMOV, A.K.

DEMENT'YEV, G.P.; GLADKOV, N.A.; SUDILOVSKAYA, A.M.; SPANGENBERG, Ye.P.;
BEME, L.B.; VOLCHANETSKIY, I.B.; VOINSTVENSKIY, M.A.; GORCHA -
KOVSKAYA, N.N.; KORELOV, M.N.; RUSTAMOV, A.K.

[Birds of the Soviet Union] Ptitsy Sovetskogo Soiuza. Pod obshchei
red. G.P.Dement'eva i N.A.Gladkova. Moskva, Gos. izd-vo "Sovetskaya
nauka." Vol.5. 1954. 803 p. (MIRA 7:9)
(Russia --Birds) (Birds--Russia) (Passeres)

RUSTAMOV, A.K.

Winter propagation of the dove *Streptopelia senegalensis ermanni*
Bonap. in Ashkhabad. Izv.AN Turk.SSR no.6:77-79 '55. (MLRA 9:5)

1. Turkmenskiy sel'skokhozyaystvennyy institut imeni M.I. Kalinina.
(Ashkhabad--Pigeons)

RUSTAMOV, A.K.

Concerning the concept "growth form" in the ecology of animals.
Zool.zhur. 34 no.4:710-718 J1-Ag '55. (MIRA 8:9)

1. Kafedra zoologii Turkmenskogo sel'skokhozyaystvennogo instituta
(Zoology--Ecology)

RUSTAMOV, A.K.

"Birds of the Soviet Carpathians." P.I. Strautman. Reviewed by A.K.
Rustamov. Zool. zhur. 34 no. 5: 1184-1186 S-O '55. (MLBA 9:1)
(Carpathian Mountains--Birds) (Strautman, Fedor Ioganovich)

RUSTAMOV, A.K.

GEPTNER, Vladimir Georgiyevich; RUSTAMOV, A.K., professor, otvetstvennyy redaktor; BULGAKOVA, N.Ye., redaktor izdatel'stva; KASPAR'YANTS, L.T., tekhnicheskiiy redaktor

[Vertebrates of Badghis (Southern Turkmenistan)] Fauna pozvonochnykh zhivotnykh Badkhyza (Yuzhnyy Turkmenistan). Otv.red. A.K. Rustamov. Ashhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1956.
(MLRA 10:6)

335 p.

(Badghis--Vertebrates)

DEMENT'YEV, G.P.; RUSTAMOV, A.K.

Notes on some feline species (Felidae) of Turkmenistan. Izv.AN
Turk.SSR no.2:75-78 '56. (MLRA 9:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova i
Turkmenskiy sel'skokhozyaystvennyy institut imeni M.I. Kalinina.
(Turkmenistan--Felidae)

RUSTAMOV, A.K.

Moulting of the black partridge (*Francolinus francolinus* L.) Zool.
zhur. 35 no.8:1262-1264 Ag '56. (MLRA 9:10)

1.Kafedra zoologii Turkmenskogo sel'skokhozyaystvennogo instituta
imeni M.I.Kalinina.
(Partridges)

RUSTAMOV, A.K.; SHCHERBINA, Ye.I.

The felids of Badkhyz. Izv.AN Turk.S.S.R. no.3:119-121 '57.

(MIRA 10:10)

1. Turkmenskiy sel'skokhozyaystvennyy institut imeni M.I.Kalinina
Badkhyzskiy gosudarstvennyy zapovednik.
(Badkhyz--Cats)

RUSTAMOV, A.K.; SUKHININ, A.N.

New information on birds of southern Turkmenia. Izv. AN Turk. SSR
no.4:70-76 '57. (MIRA 10:10)

1. Turkmenskiy sel'skokhozyaystvennyy institut im. M.I.Kalinina,
Badkhyzskiy gosudarstvennyy zapovednik.
(Turkmenistan--Birds)

RUSTAMOV, A.K.

Ecological and zoogeographical notes on birds nesting in the pistachio plantations of southeastern Turkmenia [with summary in English]. Zool.zhur. 36 no.5:742-751 My '57. (MLRA 10:7)

1. Kafedra zoologii Turkmenskogo sel'skokhozyaystvennogo instituta.
(Turkmenistan--Birds) (Pistachio)

RUSTAMOV, A.K.

DEMENT'YEV, G.P. (Moskva); RUSTAMOV, A.K. (Ashkhabad).

Distribution of the lagar falcon (Falco jugger Gray) in Central Asia [with summary in English]. Zool.zhur. 36 no.5:792-794
My '57. (MIRA 10:7)

(Soviet Central Asia--Falcons)

RUSTAMOV, Anver Keyushavich,--prof.; DEMENT'YEV, G.P., prof., otv.red.;
TASHLIYEV, A.O., kand.biolog.nauk, otv.red.; AVAGIMOVA, S.G.,
red.izd-va; IBRAGIMOV, T., tekhred.

[Birds of Turkmenistan] Ptitsy Turkmenistana. Otvet.red. G.P.
Dement'ev i A.O.Tashliev. Ashkhabad, Izd-vo Akad.nauk Turk-
menskoi SSR. Vol.2. 1958. 252 p. (MIRA 13:2)

1. Direktor Instituta zoologii i parazitologii Akademii nauk
TSSR (for Tashliyev).
(Turkmenistan--Passeriformes)

RUSTAMOV, A.K.; SUKHININ, A.N.; SHCHERBINA, Ye. I.

Numbers and reproduction of predatory birds and foxes as related
to rodent numbers in southern Turkmenia [with summary in English].
Zool. zhur. 37 no. 6:917-925 Je '58. (MIRA 11:7)

1. Kafedra zoologii Turkmenskogo sel'skokhozyaystvennogo instituta,
Ashkhabad i Badkhyzskiy gosudarstvennyy zapovednik.
(Turkmenistan--Mice)
(Birds of prey)
(Foxes)

RUSTAMOV, A.K.

Conference on the study of periodical phenomena in the life of
birds. Zool.zhur. 38 no.8:1280 Ag '59. (MIRA 12:11)
(Birds--Congresses)

RUSTAMOV, A.K.

Ornithogeographical relationships of Kopet-Dag and Hyrcania.
Trudy Inst. zool. AN Kazakh. SSR 15:132-138 '61. (MIRA 14:7)

1. Turkmenskiy gosudarstvennyy universitet imeni A.M. Gor'kogo.
(Kopet-Dag--Birds)
(Hyrcania--Birds)

RUSTAMOV, A.K.

Review of O.P. Bogdanov's book "Reptiles of Turkmenia." Zool. zhur.
42 no. 9: 1427-1430 '63. (MIRA 16:12)

L 11264-56 FBD/EWT(1)/EWT(m)/EEC(k)-2/T/EWP(+)/EWP(k)/EWP(b)/EWA(m)-2/EWA(h)/EWA(c)
 ACC NR: AP6002361 SCTB/IJP(c) JD/WG SOURCE CODE: UR/0207/65/000/006/0084/0086

AUTHOR: Aver'yanova, T. M. (Moscow); Mirkin, L. I. (Moscow); Pilipetskiy, N. F. (Moscow); Rustamov, A. P. (Moscow)

ORG: none

TITLE: The effect of intense light beams on the surface of a metal

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1965, 84-86

TOPIC TAGS: ruby laser, laser application, laser induced damage, metal damage, microhardness, armco iron, steel, lead, Duralumin, laser machining

ABSTRACT: The effects of high-intensity laser beams on metals (Armco iron, high- and low-carbon steels, lead, Duralumin) were investigated. The emission from the pulsed ruby laser shown in Fig. 1 was focused on the metal surface by means of a lens. The surface of the specimens was bombarded at right angles with 60-80 pulses per discharge, each pulse lasting 2-3 sec and delivering an energy of 1.4-1.6 j. The formation of beam-induced craters, 1.5 mm deep and 1.5 mm in diameter, was observed. In the steels, three distinct regions around the craters were observed: a poorly-etched region with a fine-specular, martensitic structure directly abutting the crater, an adjacent region containing white, poorly etchable sections consisting of complex-shaped grains, and a third region, the outermost, exhibiting the original metal structure. The increased hardness (by $700 \pm 500 \text{ kg/mm}^2$) observed in the

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crater region for low-carbon steels far exceeded that which results from thermal and mechanical methods of metalworking. The intensive hardening in low-carbon steels was associated with extremely short periods of energy liberation, although not all laser-induced effects can be considered as purely deformation effects. Increases in the hardness of the other metals was as follows: Armco iron, 80 kg/mm² (from

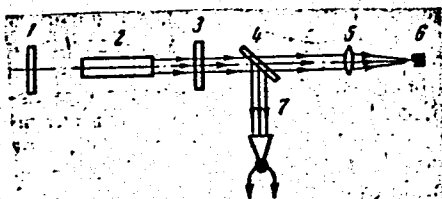


Fig. 1. Schematic of the ruby laser

1 - Mirror (reflection coefficient $R = 99\%$);
2 - ruby crystal; 3 - mirror (reflection coefficient $R = 30\%$); 4 - plane-parallel glass plate; 5 - lens;
6 - irradiated specimen; 7 - thermocouple calorimeter.

180 to 260 kg/mm²); U-10 high-carbon steel (1% C), 600 kg/mm² (from 380 ± 140 to 1000 kg/mm²); and high-speed steel, from 430 ± 50 to 650 ± 50 kg/mm². The depth of the crater in lead was considerably greater than in steel, and no changes in the structure and hardness in the crater region were observed. Duralumin showed certain softening in the crater region and was the only material to exhibit cracks in that region. The results confirm an earlier assumption (Mirkin, L. I., Fizika metallov i metallovedeniye, v. 7, no. 4, 1959, 628) that the relative hardening of metals due to thermal or mechanical working is lower the higher the strength of the original material attained by the introduction of doping elements. Orig. art. has: 6 figures. [YK]

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ACC NR: AP6002361

SUB CODE: 20 , 13 / SUBM DATE: 31Jul65/ ORIG REF: 002/ OTH REF: 001/

ATD PRESS: 4/76

60
Card 3/3

L 1419-66 EWA(k)/FBD/EWT(1)/EPF(c)/EEC(k)-2/T/EMP(k)/EWA(m)-2/EWA(h) SCTE/
IJP(c) WG/WW/GG

ACCESSION NR: AP5021734

UR/0386/65/002/002/0088/0090

AUTHOR: Pilipetskiy, N. F.; Rustamov, A. R. 44.55

TITLE: Observation of the self-trapping of light in a liquid

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 2, 1965, 88-90, and insert attached to p. 89

TOPIC TAGS: laser, stimulated emission, laser beam, self trapping

ABSTRACT: The authors report observing self-trapping of an optical beam from a laser in several organic liquids. A 20-Mw Q-switched laser was used in the experiments. The laser emission was focused by a lens with a 28-mm focal length into a cell filled with toluene, cyclohexane, o-xylene, or carbon tetrachloride. The self-trapping of the optical beam into a narrow filament was observed in all four organic liquids. The self-trapping disappeared when the laser was operated in a non-Q-switched regime. The experiments showed that self-trapping can occur at a spot before the focal point and that the filament does not have to be formed along the axis of the lens. Only about 1% of the total laser energy output was transported

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ACCESSION NR: AP5021734

along the channel of the filament and as many as two or three filaments were formed
at the same time. Orig. art. has: 1 figure and 1 formula. [CS]

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 31May65

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ATD PRESS: 4099

Card 2/2 DP

GEYCHASOV, A.M., dotsent/ RUSTAMOV, B.R., dotsent

Work of the Samarkand I.P.Pavlov Medical Institute in aiding the
public health agencies of the republic. Nauch. tr. SamM
11-13-19 '62. (HRA 17:5)

RUSTAMOV, B.R., dotent

Excretory function of the stomach in hypertension. Med. zhur.
Uzb. no.4:67-68 #p163. (MIRA 17:4)

1. Iz kafedry gosital'noy terapii (nav. - prof. A.D. Dzhalalov)
Samarkandskogo meditsinskogo instituta imeni I.P. Pavlova.

RUSTAMOV, B.R., dotsent

Determination of pepsin in contents of the stomach by the N.P.
Piatnitskii method. Med. zhur. Uzb. no. 5:43-45 May 1963
(MIRA 17:4)

1. Iz kafedry gosspital'noy terapii (zav. - prof. A.D. Dzhalalov)
Samarkandskogo meditsinskogo instituta imeni Pavlova.

RUSTAMOV, B.R., dotsent

Parallelism of the gastric and pancreatic secretions in hypertension. Nauch. trudy SamMI 23:73-76 '63 (MIRA17:3)

1. Iz kafedry gosital'noy terapii Samarkandskogo meditsinskogo instituta.

RUSTANOV, B. R.

"The Function of the Pancreas During Diseases of the Stomach."
Cand Med Sci, Samarkand State Medical Inst imeni Academician I. P.
Pavlov, Samarkand, 1953. (KL, No 10, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

Prevention of plugging of circular compressor tubes by accumulations of corrosion products. V. N. Nersisyan, D. Ol'shansk, and B. Rustamov. *Novosti Khimichesk. Tekh., Neftepromyshlenn. Delo* 1984, No. 6, 22-9. The basic cause of corrosion in pipes is moist damp air. The corrosion process should be considered as electrochem., in which the electrolyte is the fine film moisture layer which is adsorbed at the metal surface. Dry air without any moisture does not cause corrosion. Large films of moisture in the air can cause corrosion at high pressure and then cause intense corrosion. At higher pressure the corrosion likewise increases because the soly. of O also increases in the aq. films. The chem. analysis of such films indicated a weak acid reaction. This is caused by dissolved volatile low-mol. wt. acids such as HCOOH and AcOH. These acids are oxidation products of oil at high temp. and pressure. The pH of the condensate was 2.8-3.5, which corresponds approx. to 0.01-0.1N AcOH soln. The acidity of the condensate promotes the corrosion especially at high pressure and in aq. films, satd. with O. The data verify fully that dehydration of the air is a radical means of preventing corrosion in the pipe system. A sufficiently good elimination of water from air can be accomplished by means of cooling the air at the outlet of the com-

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A.5

RUSTAMOV, E.M.; STEPANOVA, I.S.; ISRAFILOV, A.M.

Use of nonmetallic materials in petroleum production machinery.
Mash. i neft. obor. no. 12:29-31 '63. (MIRA 17:4)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po
dobyche nefti.

RUSTAMOV, E.M.; STEPANOVA, I.S.; ISRAFILOV, A.M.

Use of nonmetallic materials in petroleum production machinery.
Mash. i neft. obor. no. 12:29-31 '63. (MIRA 17:4)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po
dobyche nefti.

RUSTAMOV, E.M.; LISIKYAN, K.A.; ALIYEV, Sh.N.

Inserted rod deep well pump at a hanger depth of 2500-3500 m.
Mash. i neft. obor. no.10:16-17 '64 (MIRA 18:1)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po doby-
che nefti.

RUSTAMOV, E.M.

Improving the design and increasing the capacity of deep-well
pumps. Azerb. neft. khoz. 37 no.9:28-32 S '58. (MIRA 11:12)
(Oil well pumps)

А. И. Д. В., Е. П.

Selection of lift pipes in compressor operations. Peka, Gos. nauchno-tekhn.
izd-vo neftianoi i gorno-toplivnoi lit-ry, Azerbaidzhan'koe etc-nie, 1952. 52p.
(55-41180)

IN3/1.885

1. Oil wells - Gas lift.

RUSTAMOV, E.M.; KRASNOBAYEV, A.V., redaktor; GONCHAROV, I.A., tekhnicheskii
redaktor

[Valve units of Kostychenko deep well pumps] Klapannye uzly glubinykh nasosov konstruktzii Kostychenko. Baku, Aznefteizdat, 1954.
18 p. [Microfilm] (MIRA 10:1)
(Oil well pumps)

RUSTAMOV, E.M.; KOGAN, D.V.; AYRAPETOV, G.A.

The PKV2 apparatus for checking the linearity of the axis of the liner aperture. Trudy AgNII DN no.6:99-108 '57. (MIRA 12:12)
(Oil well pumps)

ABRAMOV, M.A.; ALIVERDIZADE, K.S.; AMIROV, Ye.M.; ARENSON, R.I.; ARSEN'YEV, S.I.; BAGDASAROV, R.H.; BAGDASAROV, G.A.; BADAMYANTS, A.A.; DANIYE-
 L'YAN, G.N.; DZHAFAROV, A.A.; KAZAK, A.S.; KERCHENSKIY, M.M.; KONYU-
 KHOV, S.I.; KRASNOBAYEV, A.V.; KURKOVSKIY, A.I.; LALAZAROV, G.S.;
 LARIONOV, Ye.P.; LISTENGARTEN, M.Ye.; LIVSHITS, B.L.; LISIKYAN, K.A.;
 LOGINOVSKIY, V.I.; LYSENKOVSKIY, P.S.; MOLCHANOV, G.V.; MAY-
 DEL'MAN, N.M.; OKHON'KO, S.K.; ROMANIKHIN, V.A.; ROSIN, I.I.; RU-
 STAMOV, E.M.; SARKISOV, R.T.; SKRYPNIK, P.I.; SOBOLEV, N.A.; TARA-
 TUTA, R.N.; TVOROGOVA, L.M.; TER-ORIGORYAN, A.I.; USACHEV, V.I.;
 PAYN, B.P.; CHICHEROV, L.G.; SHAPIRO, Z.L.; SHEVCHUK, Yu.I.; TSUDIK, A.A.;
 ABUGOV, P.M., red.; MARTYNOVA, M.P., vedushchiy red.; DANIYE-
 L'YAN, A.A.; TROFIMOV, A.V., tekhn.red.

[Oil field equipment; in six volumes] Neftianoe oborudovanie; v
 shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-
 toplivnoi lit-ry. Vol.3. [Petroleum production equipment] Obo-
 rudovanie i instrument dlia dobychi nefti. 1960. 183 p.
 (MIRA 13:4)

(Oil fields--Equipment and supplies)

RUSTAMOV, E.M.; KOZAK, M.M.

Testing the performance of the inserted pump having hollow sucker
rods. Trudy AzNII DN no.6:109-132 '57. (MIRA 12:12)

(Oil well pumps) (Sucker rods)

BUZDAKOV, A.P.; RUSTAMOV, E.M.

Strengthening the plunger pair of depth pumps. Za tekhn. prog. 3
no.10:17-20 0 '63. (MIRA 16:12)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po
dobyche nefti.

RUSTAMOV, E.M.; AMIROV, A.D.; ASADOV, I.M., redaktor; GONCHAROV, I.A.,
tekhnicheskiiy redaktor.

[Selection of lift pipes in compressor operations] Podbor pod'emnykh
trub pri kompressornoi ekspluatatsii. Baku, Gos.nauchno-tekhnicheskoe
izd-vo neftianoi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe otdelenie,
1952. 52 p. (MIRA 8:4)
(Oil wells--Gas lift) (Pipe, Steel)

RUSTAMOV, E.M.

123-1-1853

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957,
Nr 1, p.267 (USSR)

AUTHORS: Rustamov, E.M., Kobzev, F.F.

TITLE: Bell Socket for Fishing out Deep Well Insert Pumps
(Rod Pumps*) (Kolokol dlya lovli vstavnykh glubinnykh
nasosov)

PERIODICAL: Novosti nef. tekhniki, Neftepromysl. delo, 1956,
Nr 3, pp.23-25

ABSTRACT: Description is given of four types (*KB-19, KB24-19, KB3-22,*
and *KB4-25*), of special fishing bell sockets for re-
trieving deep well insert pumps, developed by the Bureau
of Deep Pumps of the AZINMASH (Azerbaydzhan Scientific
Research Institute of Machine Building for the Oil
Industry). These sockets are used to retrieve *HTB1*
insert pumps (in case of broken rods or while unscrewing

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123-1-1853

Bell Socket for Fishing out Deep Well Insert Pumps (Cont.)

them from the plunger cage or from the adapter) without removing the column of pump compressor pipes. The socket consists of an adapter, a branch pipe and body. The lower part of the body has a metal thread of large pitch matching the thread on the pump guiding rod. The socket may be lowered while the drilling fluid is in the pipe column. A table with technical data of fishing bell sockets is provided.

S.Yu.M.

*Rod pump- a more recent term, according to the 'Petroleum Production Engineering' by Lester C. Uren.

Card 2/2

RUSTAMOV, ~~Evgeny Mikhailovich~~; AYRAPETOV, Georgiy Agalymovich; KOGAN, David
Vul'fovich; KOZLOV, V.S.; SHTEYNCEL', A.S.

[Methods of control and measuring devices for testing the quality
of parts and joint connections of deep pumps] Metodika kontrolya
i sredstva izmereniya dlya proverki kachestva izgotovleniya
detalei i uzlov glubinnykh nasosov. Baku, Azerbaidzhanskoe gos.
izd-vo neft.i nauchno-tekhn.lit-ry, 1957. 31 p. (MIRA 10:11)
(Pumping machinery--Testing)

ADONIN, An.N.; BUZDAKOV, A.P.; RUSTAMOV, E.M.

Improvement in the manufacture and the use of deep well pumps
in oil fields. Azerb.neft.khoz.36 no.2:22-23 P '57.

(MIRA 10:4)

(Oil well pumps)

RUSTAMOV, E-M.

NEGREYEV, V.F., dotsent, kandidat tekhnicheskikh nauk; OL'SHVANG, D.Ye.,
kandidat tekhnicheskikh nauk; RUSTAMOV, E.M., gornyy inzhener;
AMIROV, A.D., redaktor; GONCHAROV, I.A., tekhnicheskiiy redaktor.

[Corrosion of compression well air vents, formation of ferrous plugs
and their prevention] Korroziiia vozdukhoprovodov kompressornykh
skvazhin, obrazovanie sal'nikov i bor'ba s nimi. Baku, Gos. nauchno-
tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe
otd-nie, 1952. 69 p. (MIRA 8:4)

(Condensate oil wells)(Pipe, Steel--Corrosion)

3403 RUSTAMOV, E. E.

Klapannye uzly glubinnykh nasosov konstruksii kostychenko Baku, azne-
fteizdat, 1954 20sschert 20 sm. (v-ka novatora-neftyanika). 500 ekz
45 k Na azerbaydzh yaz (54-57097 622.323: 622.276.4

NARIMANOV, I., RUSTAMOV, Dzh.

Neolithic age in Toyretepe. Dokl.AN Azerb.SSR 16 no.9:907-912 '60.
(MIRA 13:12)

(Akstafa District--Stone age)

AVER'YANOV, S.F., doktor tekhn. nauk, prof.; RUSTAMOV, G.G., inzh.

Calculations for combined drainage systems fed under pressure.
Izv. TSKHA no.2:179-190 '63. (MIRA 16:10)

RUSTAMOV, G.G., inzh.

Increasing the efficiency surface drainage of irrigated
lands. Gidr. i mel. 14 no.10:23-30 0 '62. (MIRA 15:11)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya
akademiya im. Timiryazeva.
(Sal'yanskaya Steppe--Drainage)

RUSTAMOV, I.; VOLOBUYEV, Yu.M., kand.med.nauk

Influence of cervical novocaine block on the condition of rabbits with a closed cerebrospinal wound. Zdrav. Turķ. 5 no.2:3-6 Mr-Apr '61. (MIRA 14:5)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.Bayriyev)
Trukmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.
(NOVOCAINE) (BRAIN—WOUNDS AND INJURIES)

RUSTAMOV, I.

Comparative frequency of the respiratory symptom of acute
appendicitis. Zdrav. Turk. 5 no.6:22-24, N-D '61. (MIRA 15:2)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.Bayriyev)
Turkmenskogo gosudarstvennogo meditsinskogo instituta.
(RESPIRATION) (APPENDICITIS)

IBRAGIMOV, M.A.; RUSTAMOV, I.A.

Gasan-bek Melikov Zardabi (1842-1907). Gig.1 san. 26 no.3:45-50
Mr '61. (MIRA 14:7)

1.Iz Azerbaydzhanskogo instituta usovershenstvovaniya vrachey i
Azerbaydzhanskogo universiteta imeni S.M.Kirova.
(ZARDABI, GASAN-BEK MELIKOV, 1842-1907)

RUSTAMOV, I.A.

Effect of some ganglioblocking substances on the state of rabbits
after a closed craniocerebral trauma. Zdrav.Turk. 7 no.2:14-17
F '63. (MIRA 16:4)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.
Bayriyev) Turkmenskogo gosudarstvennogo meditsinskogo instituta.
(SKULL WOUNDS AND INJURIES) (BRAIN WOUNDS AND INJURIES)
(AUTONOMIC DRUGS)

RHETMAN, J.P.

Skills between the aerial and ground pictures of vegetation
in some desert communities. Bot. zhur. 50 no.5:697-702 May '65.
(KERA 18:110)

L. Gurkova, G. Gerasimova, G. Gerasimova, G. Gerasimova,
Aspirant.

SOV/165-58-6-17/24

AUTHOR: Rustamov, I.G.

TITLE: About the Tugay Vegetation in the Tashauz Oasis

PERIODICAL: Izvestiya Akademii nauk Turkmenskoy SSR, 1958, Nr 6, pp 103-105
(USSR)

ABSTRACT: The plant life of five Tugay formations, each with a surface of from 36 to 300 ha, in the Tashauz Oasis is described for the first time from the data collected in the summer of 1957. Only few species of trees thrive on this salty land, such as *Populus ariana* Dode and shrubs, various species of grass, as well as reeds and lianas. There are: 1 table and 3 Soviet references.

Card 1/2

About the Tugay Vegetation in the Tashauz Oasis

SOV/165-58-6-17/24

ASSOCIATION: Turkmenskiy gosudarstvennyy universitet imeni A.M. Gor'kogo (The
Turkmenian State University imeni A.M. Gor'kiy)

SUBMITTED: December 27, 1957

Card 2/2

RUSTAMOV, I.G.; KERTYKOVA, Kh.I., red.

[Vegetation in the middle and lower part of the western Uzboy.]
Rastitel'nost srednei i nizhnei chasti Zapadnogo Uzboia.
Ashkhalad, 1962. 160p. (Ashkhabad, Turkmenski gosudarstvennyi
universitet. Uchenye zapiski, no.9, pt.4). (MIRA 16:11)

RUSTAMOV, I.G.

Flood-plain vegetation of the Tashauz Oasis. Izv. AN Turk. SSR
no.6:103-105 '58. (MIRA 12:1)

1. Turkmenskiy gosudarstvennyy universitet imeni A.M. Gor'kogo.
(Tashauz Province--Vegetation)

RUSTAMOV, I.G.

Distribution of the mass and surface of roots in the ephemeral *Salsola gemmascens* stands of the Krasnovodskoye Plateau. *Izv. AN Turk. SSR. Ser. biol. nauk* no.4:42-48 '63. (MIRA 16:9)

1. Turkmenskiy gosudarstvennyy universitet imeni M.Gor'kogo.
(Krasnovodskoye Plateau—Saltwort) (Roots (Botany))

RUSTAMOV, I.G.; KERTYKOV, Kh.N., red.

[Vegetation of the Tashauz oasis] Rastitel'nost' Tashauz-
skogo oazisa. Ashkhabad, Turkmeniskii gos. univ., 1963.
66 p. (MIRA 18:3)

RUSTAMOV, I.G.; MUKHAMEDOV, G.

Fourth Conference on the utilization and enrichment of biological
complexes of the arid zone of the U.S.S.R. Izv. AN Turk. SSR. Ser.
biol. nauk no.4:94-95 '64. (MIRA 17:11)

1. Turkmenskiy gosudarstvennyy universitet i Institut pustyn' AN
Turkmeniskoy SSR.

RUSTAMOV, I.G.

First Intercollegiate Conference on Geobotanical Zoning of the
U.S.S.R. Izv. AN Turk. SSR. Ser. biol. nauk no.2:96 '65. (MIRA 18:5)

RUSTAMOV, I.G.

Characteristics of the root systems of dominant plants in
some phytocenoses of northwestern Turkmenia. Izv. AN Turk.
SSR. Ser. biol. nauk no.1:16-22 '64. (MIRA 17:9)

1. Turkmenskiy gosudarstvennyy universitet.

RUSTAMOV, I.G.

Materials on studying underground parts of some flatland phytocenoses in northwestern Turkmenia. Izv. AN Turk. SSR. Ser. biol. nauk no.2:15-23 '65. (MIRA 18:5)

1. Turkmenaskiy gosudarstvennyy universitet imeni Gor'kogo.

RUSTAILOV, I. G.

"Vegetation of the Central and Lower Part of Western Uzboy." Cand Biol
Sci, Tadzhik State U, Ashkhabad, 1954. (RZhBiol, No 6, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (15)

RUSTAMOV, I.G.

Characteristics of vegetation in western Uzboy. Izv. AN Turk.
SSR. Ser. biol. nauk no.4:31-39 '61. (MIRA 14:10)

1. Turkmenskiy gosudarstvennyy universitet.
(UZBOY--PLANT COMMUNITIES)

VINOGRADOV, V.S., inzh.; AL'TSHULER, M.A., kand. tekhn. nauk; POLYAKOV, V.G., inzh.; KUROCHKIN, A.N., inzh.; KAMAZIN, V.I., doktor tekhn. nauk; ZAIKIN, S.A., inzh.; OSTROVSKIY, G.P., inzh. [deceased]; NAUMENKO, P.I., inzh.; BOBRUSHKIN, L.G., inzh.; RUSTAMOV, I.I., inzh.; SHIFRIN, I.I., inzh.; GOLOVANOV, G.A., inzh.; KRASOVSKIY, L.A., inzh.; TSIMBALENKO, L.N., inzh.; RAVIKOVICH, I.M., inzh.; BAZILEVICH, S.V., kand. tekhn. nauk; ZORIN, I.P., inzh.; ZUBAREV, S.N., inzh.; TIKHOVIDOV, A.F., inzh.; SHITOV, I.S., inzh.; GAMAYUROV, A.I., inzh.; KUSEMBAYEV, Kh.N., inzh.; DEKHTYAREV, S.I., inzh.; VORONOV, I.S., inzh.; BURMIN, G.M., inzh.; BARYSHEV, V.M., inzh.; GOLOVIN, Yu.P., inzh.; MARCHENKO, K.F., inzh.; RYCHKOV, L.F., inzh.; NESTERENKO, A.M., inzh.; KABANOV, V.F., inzh.; PATRIKEYEV, N.N., inzh. [deceased]; ROSSMIT, A.F., inzh.; SOSEDOV, O.O., inzh.; POKROVSKIY, M.A., inzh., retsenzent; POLOTSK, S.M., red.; GOL'DIN, Ya.A., glav. red.; GOLUBYATNIKOVA, G.S., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Iron mining and ore dressing industry] Zhelezorudnaya promyshlennost'. Moskva, Gosgortekhnizdat, 1962. 439 p.

(MIRA 15:12)

1. Moscow. Tsentral'nyy institut informatsii chernoy metallurgii.
(Iron mines and mining) (Ore dressing)

ca

PROCESSES AND PROPERTIES INDEX

Surface salting-out by electrolytes. IV. Surface salt-
ing-out and temperature. V. K. Semenchko and Kh.
Mustamov. *J. Phys. Chem.* (U. S. S. R.) 8, 383-8 (1936);
d. C. A. 29, 7702. The system $H_2O + MgSO_4 + AmOH$
was studied at 0°, 20°, 40° and 60° at concns. of $MgSO_4$ from
0 to 2 M and of $AmOH$ from 0 to 0.02 M. On raising the
temp. there occurs in the salting-out effect a min. due to
the increasing surface activity of the electrolyte.
F. H. Rathmann

2

ASTM A6.4 METALLURGICAL LITERATURE CLASSIFICATION

RUSTAMOV, Kh.K.

Topography of the arterial blood supply of the udder of Karakul sheep. Dokl. AN Uz. SSR no. 9:59-61 '58. (MIRA 11:12)

1. Uzbekskiy sel'skokhozyaystvennyy institut im. V.V. Kuybysheva.
Predstavleno akademikom AN UzSSR A. Yu. Yunusovym.
(Karakul sheep--Anatomy) (Udder--Blood supply)

RUSTAMOV, Kh.K.; POLYAKOV, V.A.

Arterial blood supply of the stomach in Karakul sheep. Dokl. AN Uz.
SSR no.8:59-61 '58. (MIRA 11:9)

1.Uzbekskiy sel'skokhozyaystvennyy institut im. V.V. Kuybysheva.
Predstavleno akademikom AN UzSSR A.Yu. Yunusovym.
(KARAKUL SHEEP) (STOMACH--BLOOD VESSELS)

USSR/Organic Chemistry - Synthetic Organic Chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4295

Author : Rustamov, Kh.R., Kudryavtseva, T.A.
Inst : Central-Asian Polytechnic Institute
Title : Alkylation of Benzene with Alcohols

Orig Pub : Tr. Sredneaz. politekhn. in-ta, Tashkent, Gosizdat, UzSSR, 1955, 306-310

Abstract : Study of the kinetics of alkylation (AL) of C_6H_6 (I) with ethyl (II), isopropyl (III) and n-butyl (IV) alcohol, in a flow unit, in the presence of H_3PO_4 on a porous carrier, at atmospheric pressure. AL of I with alcohols takes place at considerably slowed rate than with olefins. I is not alkylated by II and ethylene; AL of I with III at 130° and with 91% H_3PCl_4 takes place to 0.25%; at 170° , with 72, 87 and 96.2% H_3PCl_4 and contact time of 17-28 seconds, to the extent of 4-6%. AL of I with propylene at 170° and with a contact time of

Card 1/2

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UCSR/Organic Chemistry - Synthetic Organic Chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4295

10-30 seconds, amounted to 12 and 31%, respectively;
at 210° and a duration of 20-60 seconds -- 15 and 35%.
AL by means of IV at 170-210° and a contact time of
38-78 seconds, reaches 5%, while with n-butylene and
a contact duration of 17.7 and 34.6 seconds, it reaches
17 and 23.4%, respectively.

Card 2/2

- 39 -

Rustanov Kh. R.

B-9

USSR/Physical Chemistry - Kinetics. Combustion.
Explosives. Topochemistry. Catalysis

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3804

Author : Rustanov Kh.R., Chirkov N.M.
Title : Absorption of Butylene in Sulfuric Acid

Orig Pub : Zh. fiz. khimii, 1956, 30, No 2, 261-268

Abstract : Study of kinetics and thermodynamics of the absorption of butylene (mixture of 75-80% butene-1 and 20-25% butene-2) (I) by a thin film of H_2SO_4 . Equilibrium constant K' was determined as the ratio of the equilibrium concentration of I in the solution to the equilibrium concentration of I in gaseous phase. At $65^\circ K' = 2.6 \cdot 10^{-2}$, thermal effect of the process (equal to sum of heat of evaporation of I and heat of formation of alkyl-acid from H_2SO_4 and dissolved I) is 12.2 Kcal/mole. Correlation between K' and molal proportion (α) of H_2SO_4 is given by the equation $lg K' = 0.0173\alpha + 0.471$.

Card 1/2

- 127 -

RUSTAMOV, Kh.R.; FATKULINA, L.G.; NABIKHODZHAYEV, S.N.

Catalytic property of bifunctional cationites. Uzb.khim.zhur.
no.1:39-42 '59. (MIRA 12:6)

1. Sredneaziatskiy politekhnicheskiy institut.
(Ion exchange) (Catalysts)

RUSTAMOV, KH. R.

Dissertation: "The Kinetics of the Alkylation of Benzene by Olefines."
Dr Chem Sci, Inst of Chemical Physics, Acad Sci USSR, Moscow, 1954.
(Referativnyy Zhurnal -- Khimiya, Moscow, No. 16, Aug, 54)

SO: SUM 393, 28 Feb 1955

RUSTAMOV, KH. R.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 147 - 3/22

Authors : Rustamov, Kh. R.; Kudryavtseva, T. A.; and Chirkov, N. M.

Title : Alkylation of benzene with olefines. Part 1

Periodical : Zhur. fiz. khim. 29/11, 1945-1957, Nov 1955

Abstract : A study of the kinetics of benzene alkylation with propylene showed that iso- and r-diisopropylbenzene are the basic products obtained from this alkylation reaction. The reaction kinetics was studied at four different temperatures and it was established that the effective activation energy is close to zero at a constant acid concentration. The percentage of the conversion of the basic reagents showed no effect on the ratio of the reaction products; formation of iso- and diisopropylbenzene was parallel. The effect of acid concentration and temperature on the yield of reaction products is discussed. Nine references: 5 USSR, 2 USA and 2 Eng. (1945-1952). Tables; graphs; drawing.

Institution : Central Asiatic Polytechnic Institute

Submitted : May 4, 1955

RUSTAMOV, Kh.R.; CHIRKOV, N.M.

Alkylation of benzene with olefins. Part 2. Zhur.fiz.khim. 29
no.12:2113-2119 D '55. (MLRA 9:5)

1. Sredneaziatskiy politekhnicheskiy institut, Tashkent.
(Alkylation) (Benzene) (Olefins)

RUSTAMOV, Kh. R.

USSR/ Chemistry - Benzene alkylation

Card 1/1 Pub. 147 - 2/35

Authors : Rustamov, Kh. R., and Chirkov, N. M.

Title : Alkylation of benzene with olefines. Part 3. Alkylation of benzene with butylene

Periodical : Zhur. fiz. khim. 30/1, 20-22, Jan 1956

Abstract : The rates of benzene alkylation with n-butylenes were measured in the presence of sulfuric acid under static conditions in vacuum. The reaction of alkylation was found to follow the law of the reversible bimolecular alkylation reaction. The apparent reaction activation energy at a constant acid concentration was established to be close to zero. The linear relation existing between the logarithm of the reaction rate constant and the acidity functions is analyzed. It is assumed that the acidity function actually determines the catalytic ability of acids even in heterogeneous reactions. One USSR reference (1955). Tables; graphs.

Institution : Central Asia Polytechnic Inst. Tashkent

Submitted : August 16, 1954

RUSTAMOV, Kh.R.; RAKHIMOV, Kh.R.; AGZAMOV, K.A.

Effect of inorganic cations on the catalytic properties of
cationites. Uzb.khim.zhur. no.5:45-49 '58. (MIRA 12:2)

1. Sredneaziatskiy politekhnicheskiy institut.
(Cations) (Base-exchanging compounds)

USMANOV, R.U.; RUSTAMOV, Kh.R., doktor khim. nauk

Some problems of anion-exchange catalysis. Uzb. khim. zhur.
9 no. 4:64-68 '65. (MIRA 18:12)

1. Tashkentskiy politekhnicheskii institut. Submitted July 31,
1964.

KOLESOV, Svyatoslav Nikolayevich; VVEDENSKAYA, Lyudmila
Andreyevna; KHARIN, A.N., prof., retsenzent; RUSTAMOV,
Kh.R., prof., retsenzent; RAYTSYN, G.A., dots.,
retsenzent; LOVTSOV, V.M., dots., retsenzent; LIKONTSEV,
N.N., dots., retsenzent; PUTILOVA, I.N., doktor khim.
nauk, prof., red.; MAKUSHENKO, Ye.N., red.

[Laboratory work in general chemistry] Praktikum po ob-
shchei khimii. Izd.2., perer. i dop. Tashkent, Sredniaia
i vysshaia shkola, 1963. 186 p. (MIRA 17:12)

1. Zaveduyushchaya kafedroy khimii Moskovskogo elektro-
tekhnicheskogo instituta svyazi(for Putilova).

USMANOV, R.U.; RUSTAMOV, Kh.R.

Kinetics of the condensation of furfural with nitromethane in
the presence of an anion exchanger. Report No.2. Uzb.khim.zhur.
8 no.1:82-86 '64. (MIRA 17:4)

1. Tashkentskiy politekhnicheskiy institut.

RUSTAMOV, Kh.R.; USMANOV, R.

Condensation of furfurole with nitromethane in the presence of
anion exchangers. Uzb. khim. zhur. 7 no.4:44-46 '63.
(MIRA 16:10)

1. Tashkentskiy politekhnicheskii institut.

RUSTAMOV, Kh.R.; PORSHAKOVA, T.P.; ABDURAKHIMOV, A.

Physicochemical analysis of the systems SnCl_4 - SiCl_4 and
 SnCl_4 - CH_3SiCl_3 . Uzb.khim.zhur. 6 no.6:28-30 '62. (MIRA 16:2)

1. Tashkentskiy politekhnicheskii institut.
(Tin chlorides) (Silicon chlorides) (Silane)

KHALMATOV, K.; RUSTAMOV, Kh.R.

Adsorption of alkaloids salsoline and salsolidine by ion
exchangers. Uzb. khim. zhur. 7 no.6:80-83 '63. (MIRA 17:2)

1. Tashkentskiy politekhnicheskiy institut.

RUSTAMOV, Kh.R.; USMANOV, R.U.

Mutarotation of glucose in the presence of anion exchangers.
Uzb.khim.zhur. 6 no.2:36-38 '62. (MIRA 15:7)

1. Tashkentский politekhnicheskiy institut.
(Glucose—Optical properties)
(Ion exchange)

RUSTAMOV, Kh.R.; FATKULINA, L.G.; AGZAMOV, K.A.

Effect of solvents on the catalytic activity of the KU-1 cation
exchanger. Uzb.khim.zhur. no.2:32-33 '61. (MIRA 14:10)

1. Sredneazlatskiy politekhnicheskii institut.
(Ion exchange resins) (Catalysis) (Solvents)

RUSTAMOV, Kh.R.; FATKULINA, L.G.; AGZAMOV, K.A.

Some problems involved in cation exchange catalysis. Uzb.khim.
zhur. no.4:32-35 '61. (MIRA 14:8)

1. Sredneasiatskiy politekhnicheskii institut.
(Catalysis) (Ion exchange)

^R
RUSTAMOV, Kh.; YULDASHEV, A.; USMANOV, R.

Hydrolysis of ethyl iodide in the presence of anion exchangers.
Uzb. khim. zhur. no. 2:23-26 '60. (MIRA 14:1)

1. Sredneaziatskiy politekhnicheskii institut.
(Ethane) (Ion exchange)

SULTANOV, Abdulla Sultanovich, kand. khim. nauk; RUSTAMOV, Kh.R., doktor khim. nauk, otv. red.; BAKLITSKAYA, A.V., red.; GOR'KOVAYA, Z.P., tekhn. red.

[D.I.Mendeleev's chemical theory of catalysis and its further development] Khimicheskaya teoriya kataliza D.I.Mendeleeva i dal'neishee ee razvitiye. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1961. 98 p.
(MIRA 14:7)

1. Nauchnyy rukovoditel' laboratorii podbora katalizatorov polimerizatsii Instituta khimii polimerov Akademii nauk Uzbekskoy SSR (for Sultanov)

(Catalysis)

RIZAYEV, N.U.; RUSTAMOV, Kh.R.; SABIROV, Sh.M.

Effects of certain variables on the process of ion exchange. Uzb.
khim. zhur. no.1:35-38 '61. (MIRA 14:1)

1. Sredneaziatskiy politekhnicheskiy institut.
(Ion exchange)

76-32-2-2/38

AUTHORS: Chirkov, N. M., Rustamov, Kh. R.

TITLE: The Alkylation of Benzene With Olefines (Alkilirovaniye benzola olefinami)
IV. On the Reaction Process (IV. O mekhanizme reaktsii)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1958, Vol. 32, Nr 2, pp. 219-223 (USSR)

ABSTRACT: Based on the experimental data obtained the authors give the probable reaction process of the alkylation of benzene with olefines. The first stage of the process is the absorption of the reagents by the acid. In the absorption of propylene by sulfuric acid (and by protonic acids at that) propylene can exist in the following states: C_3H_6 (in physically dissolved state), $C_3H_7^+$ (as a carbon ion), $C_3H_7HSO_4$ and $(C_3H_7)_2SO_4$. The possibility of their presence was stated by the authors in the investigation of the absorption of olefines by sulfuric acid and phosphoric acid (ref. 7). The authors show that in the alkylation of benzene with olefines, e. g. propylene, in the presence of sulfuric acid the

Card 1/4

76-32-2-2/38

The Alkylation of Benzene With Olefines.
IV. On the Reaction Process

following particles can be present in the solution:
 C_3H_6 , $C_3H_7^+$, $C_3H_7HSO_4$, $(C_3H_7)_2SO_4$, C_6H_6 , $C_6H_7^+$. In the inter-
action of these particles the following two forms can develop:
Isopropylbenzene and di-isopropylbenzene. As regards the
catalyst it can, in principle, take part here in two forms:
in ion form or in the form of non-dissociated molecules. When
the concentration of sulfuric acid is increased by 10% its
thermodynamic activity increases 2.6 fold and the velocity
of reaction increases 80 fold. Such a great change of velocity
can only be explained by starting from the ion conceptions.
The several possible variants of the process are given and
the authors show that the scheme: $C_6H_7 + C_3H_7HSO_4$;
 $C_6H_7^+ + (C_3H_7)_2SO_4$ best explains all experimental results ob-
served as well as in particular the influence of the acid
concentration on the velocity constant of alkylation.
According to this scheme the dependence of the velocity
constant on the function of the acid somewhat exceeds the
first power, which coincides with experimental data. - It is
assumed that the reaction process in principle is of ion
character. The most probable processes in the formation of

Card 2/4

76-32-2-2/38

The Alkylation of Benzene With Olefines.
IV. On the Reaction Process

mono- and dipropylbenzene are put down and it is shown that for the formation of monoalkylbenzenes the reaction $C_6H_7^+ + C_3H_7HSO_4 \rightarrow C_3H_7C_6H_5 + H_3SO_4^+$ represents the limiting stage, while for the formation of dialkylbenzene the reaction $C_6H_7^+ + (C_3H_7)_2SO_4 \rightarrow (C_3H_7)_2C_6H_4 + H_3SO_4^+$ represents this stage. The correctness of the suggested process of reaction could be checked by the computation of the reaction velocity from the number of collisions. For this the real activation energy of the reaction as well as the concentration of the reacting component must be known. The actual activation energy for the reaction of the alkylation of benzene with propylene in the presence of sulfuric acid is, according to the scheme given, equal to 21,4 kcal/Mol. As regards the computation of the concentration of reagents the ether concentration can be computed from the data on the absorption of olefines by acids (ref. 7). The computations of the concentration of the carbon ion of benzene starting from the velocity, showed 10^{-5} Mol/ml which does not contradict to the suggested process of reaction. There are 9 references,

Card 3/4

76-32-2-2/38

The Alkylation of Benzene With Olefines.
IV. On the Reaction Process

5 of which are Soviet.

ASSOCIATION:

Akademiya nauk SSSR, Institut khimicheskoy fiziki, Moskva
(Institute for Chemical Physics, AS USSR, Moscow)

SUBMITTED:

March 7, 1956

1. Benzenes--Synthesis
2. Ethylenes--Chemical reactions
3. Ethylenes--Absorption
4. Propenes--Absorption

Card 4/4

3-58-6-31/34

AUTHORS: Rustamov, Kh.R., Professor, Doctor of Chemical Sciences;
Sigov, S.A. Dotsent, Candidate of Chemical Sciences.

TITLE: Bibliography (Bibliografiya) A Brief and Concise Textbook
(Kratkiy i sodержatel'nyy uchebnik)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, Nr 6, pp 91-92 (USSR)

ABSTRACT: The only textbook for a course in general chemistry at non-chemical vuzes was, until recently, that of N.L. Glinka. This seriously hampered the study of general chemistry at higher schools, where 100 hours are assigned for this subject. The problem has now been solved to a certain extent by the publication of M.K. Strugatskiy's and B.P. Nadeyinskiy's textbook [Ref. 1]. The article contains a review on the various chapters of the book. There is 1 Soviet reference.

ASSOCIATION: Sredneaziatskiy politekhnicheskii institut (Central Asian Polytechnical Institute)

Card 1/1

Rustamov Kh. R.

APPROVED FOR RELEASE: 08/25/2000

USSR/Kinetics - Combustion. Explosions. Topochemistry. Catalysis. B-9
CIA-RDP86-00513R001446130004-8"

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18576

Author : Kh.R. Rustamov, N.M. Chirkov.

Title : Alkylation of Benzene by Olefins. III. Alkylation of Benzene by Butylene.

Orig Pub : Zh. fiz. khimii, 1956, 30, No 1, 20-22.

Abstract : The alkylation speed of C_6H_6 by butylene (I) in a vacuum-static installation in presence of H_2SO_4 follows the equations of reversible bimolecular reactions, butylene having been prepared by the dehydration of n-butyl alcohol over Al_2O_3 at 380° (the content of butylene-2 in the produced mixture of isomeres being 20 to 25%). The magnitude of the speed constant (k) does not change with the temperature rise from 75° to 105° , if the acid concentration (75%) was constant, which points to the fact that the effective energy of alkylation activation is close to zero. The linear connection of $\log k$ with the acidity

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Card 1/2

USSR/Kinetics - Combustion. Explosions. Topochemistry. Catalysis. B-9
Referat Zhur - Khimiya, No 6, 1957, 18576

ZLOTIN, G.D.; RUSTAMOV, M.A.

New production achievements are our answer to the decisions of
the 22d Congress of the CPSU. Khleb.i kond.prom. 6 no.6:26-28
Je '62. (MIRA 15:7)

1. Bakinskiy khlebobulochnyy kombinat No.2 Azerbaydzhanskogo
tresta khlebopekarnoy promyshlennosti (for Zlotin).
2. Akademiya nauk Azerbaydzhanskoy SSR (for Rustamov).
(Baku--Bakers and bakeries)

RUSTAMOV, M.I.; ALIYEV, V.S.

Gas dynamic characteristics of systems with an ascending semi-continuous flow of a catalyst. Azerb. khim. zhur. no. 2:85-90 '65. (MIRA 18:12)

1. Institut neftekhimicheskikh protsessov AN AzerSSR. Submitted October 10, 1964.

SAFONOV, V.A.; INDYUKOV, N.M.; SHEVTSOV, I.S.; MARKARYAN, S.M. RUSTAMOV, M.I.

Adoption of a process for the thermal treatment of Kirmaki oil-bearing sands in a "fluidized" bed. Sbor.trud.AzNII MP no.2:
288-307 Ag #58. (MIRA 12:6)

(Apsheeron Peninsula--Oil sands)
(Fluidization)

SHEVTSOV, I.S.; INDYUKOV, N.M.; RUSTAMOV, M.I.

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